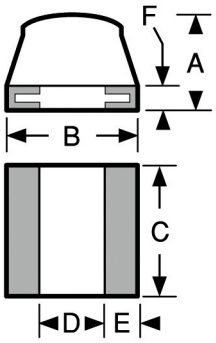
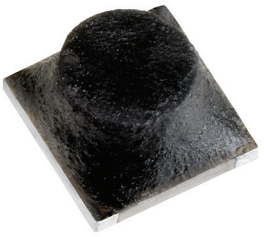
SERIES 3094R 3094

RoHS Compliant

Traditional First Quality

Micro i® Chip Inductors







Actual Size

Physical Parameters

	Inches	Millimeters
A	0.140 Max.	3.56 Max.
B	0.147 to 0.163	3.73 to 4.14
C	0.117 to 0.133	2.97 to 3.38
D	0.070 Min.	1.78 Min.
E	0.017 to 0.033	0.43 to 0.84
F	0.020 Max. (Typ.)	0.51 Max. (Typ.)

Current Rating at 90°C Ambient 35°C Rise
Operating Temperature Range –55°C to +125°C
Maximum Power Dissipation at 90°C 0.155 W

Inductance tolerance desired is specified by suffixing an alpha character to the part number: F = 1%, G = 2%, H = 3%, J = 5%, K = 10%, and M = 20%. Standard series tolerance is ±10%. For inductance values less than .10µH, minimum tolerance is ±5%.

Termination Standard: Tin/Lead Sn63

Mechanical Configuration Units are epoxy encapsulated. Contact area for reflow are solder coated. Internal connections are thermal compression bonded.

Notes **1)** Designed specifically for reflow soldering and other high temperature processes with metalized edges to exhibit solder fillet. **2)** Self Resonant Frequency (SRF) values 270 MHz and above are calculated and for reference only. **3)** Optional marking is available.

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.
MIL-PRF-83446/10 (Reference)

Made In the U.S.A.

*Complete part # must include series # PLUS the dash #

For surface finish information, refer to www.delevanfinishes.com

DASH NUMBER*	MIL DASH # (Reference)	INDUCTANCE (µH) ±10%	Q MINIMUM	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
M83446/10– (Reference) SERIES 3094 IRON CORE							
-100KS	62	0.010	60	150	2000.0	0.040	1000
-120KS	63	0.012	60	150	1800.0	0.040	1000
-150KS	64	0.015	60	150	1500.0	0.040	1000
-180KS	65	0.018	60	150	1500.0	0.040	1000
-220KS	66	0.022	60	100	1300.0	0.050	1000
-270KS	67	0.027	60	100	1300.0	0.050	1000
-330KS	68	0.033	60	100	1000.0	0.050	1000
-390KS	69	0.039	60	100	1000.0	0.060	900
-470KS	70	0.047	65	100	800.0	0.060	900
-560KS	71	0.056	65	100	760.0	0.060	900
-680KS	72	0.068	65	100	700.0	0.070	840
-820KS	73	0.082	65	100	650.0	0.070	840
-101KS	74	0.100	65	50	570.0	0.070	840
-121KS	75	0.120	65	50	520.0	0.070	840
-151KS	76	0.150	75	50	400.0	0.080	790
-181KS	77	0.180	75	50	360.0	0.080	790
-221KS	78	0.220	70	50	320.0	0.080	790
-271KS	79	0.270	70	50	270.0	0.10	700
-331KS	80	0.330	70	50	240.0	0.10	700
-391KS	81	0.390	70	50	220.0	0.10	700
-471KS	82	0.470	70	25	190.0	0.14	590
-561KS	83	0.560	70	25	170.0	0.19	510
-681KS	84	0.680	70	25	160.0	0.26	430
-821KS	85	0.820	75	25	150.0	0.30	400
-102KS	86	1.00	75	25	130.0	0.34	380
-122KS	87	1.20	65	7.9	120.0	0.45	330
-152KS	88	1.50	65	7.9	110.0	0.57	290
-182KS	89	1.80	65	7.9	100.0	0.72	260
-222KS	90	2.20	65	7.9	80.0	0.90	230
-272KS	91	2.70	65	7.9	60.0	1.10	210
-332KS	92	3.30	60	7.9	50.0	1.20	200
-392KS	93	3.90	60	7.9	45.0	1.40	180
-472KS	94	4.70	60	7.9	42.0	1.60	170
-562KS	95	5.60	65	7.9	40.0	1.80	160
-682KS	96	6.80	65	7.9	37.0	2.40	140
-822KS	97	8.20	65	7.9	34.0	3.00	130
-103KS	98	10.0	65	7.9	29.0	3.50	120
-123KS	99	12.0	60	2.5	27.0	3.60	118
-153KS	100	15.0	60	2.5	22.0	3.70	115
-183KS	101	18.0	60	2.5	17.0	3.80	114
-223KS	102	22.0	60	2.5	16.0	3.90	113
-273KS	103	27.0	65	2.5	15.0	4.00	110
-333KS	104	33.0	65	2.5	14.0	5.00	100
-393KS	105	39.0	65	2.5	13.0	7.00	84
-473KS	106	47.0	70	2.5	12.0	8.00	79
-563KS	107	56.0	70	2.5	11.0	10.0	70
-683KS	108	68.0	65	2.5	10.0	11.0	67
-823KS	109	82.0	60	2.5	9.0	12.0	64
-104KS	110	100.0	60	2.5	8.0	13.0	62
-124KS	111	120.0	40	0.79	7.0	14.0	59
-154KS	112	150.0	40	0.79	6.0	16.0	56
-184KS	113	180.0	40	0.79	5.0	18.0	52
-224KS	114	220.0	40	0.79	4.0	24.0	45
-274KS	115	270.0	40	0.79	3.3	25.0	44
-334KS	116	330.0	40	0.79	3.1	29.0	41
-394KS	117	390.0	40	0.79	2.9	32.0	39
-474KS	118	470.0	35	0.79	2.4	35.0	37
-564KS	119	560.0	35	0.79	2.1	45.0	33
-684KS	120	680.0	35	0.79	1.9	55.0	30
-824KS	121	820.0	30	0.79	1.8	70.0	26
-105KS	122	1000.0	30	0.79	1.7	80.0	25

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